

COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010512
CERTIFICATION DATE: September 5, 2013
DATE RECERTIFICATION DUE: March 4, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

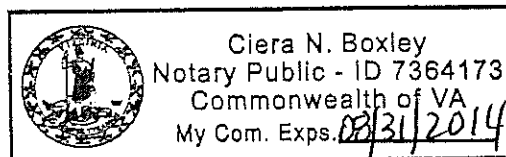
Melissa Kennedy
Section Supervisor, Breath Alcohol

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 19th day of
September, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



DBH
NMM

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/6/2013**

Instrument Serial Number: 010512

As of 06-Sep-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
05-Sep-13	05-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
24-Jul-13	20-Mar-13	MMB (26417)	RESET PRINTER.
20-Mar-13	20-Mar-13	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
25-Sep-12	25-Sep-12	DBH (21250)	CERTIFIED.
12-Apr-12	12-Apr-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
08-Nov-11	08-Nov-11	HMS (18910)	CERTIFIED
31-May-11	31-May-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
20-Dec-10	20-Dec-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
30-Jun-10	30-Jun-10	HMS (18910)	CERTIFIED
12-Jan-10	12-Jan-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
11-Aug-09	11-Aug-09	HMS (18910)	CERTIFIED.
26-Mar-09	26-Mar-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
07-Nov-08	07-Nov-08	DBH (21250)	CERTIFIED.
24-Oct-08	24-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH

WHL

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010512 Worksheet Start Date 9/5/2013

Location Blackstone PD

Address 101 W Elm St Blackstone VA 23824

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	75
Keyboard		Certificates of Analysis	75
Printer		Operator Worksheet	
UPS		Other:	

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010512

Certification Date 9/5/2013

Instrument Barometer (mm HG) 751

Reference Barometer (mm HG) 752

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.245
0.250	0.247	0.239	0.254	Sample 2	0.244
Precision		sample min	sample max	Sample 3	0.244
0.001		0.244	0.245		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.148
0.150	0.148	0.143	0.152	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.148
0		0.148	0.148		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.079	0.076	0.082	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG206601-04

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.099	0.096	0.102	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

DFS Technician

Donald B Hall

Date

9/6/13

Issuing Analyst

Melissa Kennedy

Date

9/17/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/05/2013
TEST EQUIPMENT NUMBER 010512		

15:13 EDT

RESULTS: TIME SAMPLE TAKEN 0.00

SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 06 Sep 2013 at 09:27

DBH

WHL

Test Results

Instrument Serial Number 010512

Test # 000450 Subject Test

Test Location 1 Department of
Test Date 05 Sep 2013

Test Location 2 Forensic Science
Test Time 15:07
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 05 Sep 2013 End Time 15:15

Result Time 15:13

Result Date 05 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:08

Data Type BLK

Sample Value 0.000

Sample Time 15:08

Data Type CHK

Sample Value 0.100

Sample Time 15:09

Data Type BLK

Sample Value 0.000

Sample Time 15:10

Data Type SUBJ

Sample Value 0.000

Sample Time 15:11

Data Type BLK

Sample Value 0.000

Sample Time 15:12

Data Type SUBJ

Sample Value 0.000

Sample Time 15:13

Data Type BLK

Sample Value 0.000

Sample Time 15:14

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG206601-04

Standard Expiration Date 03/06/2014

Tank Pressure 218

Barometric Pressure 751 mmHg

Blow Sample Number 1 Blow Duration 3.56 sec

Blow Volume 1849 cc End-of-Blow Time 15:11

Blow Sample Number 2 Blow Duration 3.89 sec

Blow Volume 1975 cc End-of-Blow Time 15:13

Tamper Evident Stamp da84edfc

Test Status Code 0

Test Status Success

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010512

System Date: 09/05/2013

System Time: 15:36 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

WHL

Intox EC/IR-II: Calibration

WJL

Department of Forensic Science

Serial Number: 010512 Test Number: 451

Test Date: 09/05/2013 Test Time: 15:39 EDT

Dry Gas Target: 0.099

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 443 psi Barometric Pressure: 750 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:39
CAL	0.099	15:40

Test Status: *Success*

Calibration CRC: E03AF112

DBH

Intox EC/IR-II: Certification

WHL

Department of Forensic Science

Serial Number: 010512 Test Number: 452
Test Date: 09/05/2013 Test Time: 15:44 EDT

Technician Initials: DBH

Dry Gas Target: 0.247

Lot Number: 29612250I2-10 Exp Date: 11/01/2014

Tank Pressure: 330 psi Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:44
BLK	0.000	15:45
CHK	0.245	15:45
BLK	0.000	15:47
CHK	0.244	15:48
BLK	0.000	15:49
CHK	0.244	15:50
BLK	0.000	15:52

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

NSH

Department of Forensic Science

Serial Number: 010512 Test Number: 453
Test Date: 09/05/2013 Test Time: 15:54 EDT

Technician Initials: DBH

Dry Gas Target: 0.148

Lot Number: 0651215014-07 Exp Date: 04/01/2014

Tank Pressure: 115 psi Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:55
BLK	0.000	15:55
CHK	0.148	15:56
BLK	0.000	15:58
CHK	0.148	15:58
BLK	0.000	16:00
CHK	0.148	16:01
BLK	0.000	16:02

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Roll

Department of Forensic Science

Serial Number: 010512 Test Number: 454
Test Date: 09/05/2013 Test Time: 16:04 EDT

Technician Initials: DBH

Dry Gas Target: 0.079

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 296 psi Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:04
BLK	0.000	16:05
CHK	0.079	16:06
BLK	0.000	16:07
CHK	0.079	16:08
BLK	0.000	16:09
CHK	0.079	16:10
BLK	0.000	16:11

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010512 Test Number: 455
Test Date: 09/05/2013 Test Time: 16:13 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014

Tank Pressure: 188 psi Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:14
BLK	0.000	16:14
CHK	0.019	16:15
BLK	0.000	16:16
CHK	0.019	16:17
BLK	0.000	16:18
CHK	0.019	16:19
BLK	0.000	16:20

DBH
9/11/13**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

REPRINTED

DBH

9/11/13

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010512 Test Number: 455
Test Date: 09/05/2013 Test Time: 16:13 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014
Tank Pressure: 188 psi Barometric Pressure: 750 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:14
BLK	0.000	16:14
CHK	0.019	16:15
BLK	0.000	16:16
CHK	0.019	16:17
BLK	0.000	16:18
CHK	0.019	16:19
BLK	0.000	16:20

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

109H

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010512 Test Number: 456

Test Date: 09/05/2013 Test Time: 16:25 EDT

Dry Gas Target: 0.296

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 453 psi Barometric Pressure: 750 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	16:26
CHK	0.297	16:27
BLK	0.000	16:28
CHK	0.297	16:29
BLK	0.000	16:31
CHK	0.296	16:32

Test Status: *Success*

Calibration CRC: E03AF112

Intox EC/IR-II: Accuracy Check

WHL

Department of Forensic Science

Serial Number: 010512 Test Number: 457

Test Date: 09/05/2013 Test Time: 16:35 EDT

Dry Gas Target: 0.099

Lot Number: AG206601-04 Exp Date: 03/06/2014

Tank Pressure: 213 psi Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	16:36
CHK	0.099	16:37
BLK	0.000	16:38
CHK	0.099	16:39
BLK	0.000	16:40
CHK	0.099	16:41

Test Status: Success

Calibration CRC: E03AF112




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/05/2013
TEST EQUIPMENT NUMBER 010512		

RESULTS: TIME SAMPLE TAKEN 16:49 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 16 Sep 2013 at 08:56

LDH

msk

Test Results

Instrument Serial Number 010512

Test # 000458 Subject Test

Test Location 1 Department of

Test Date 05 Sep 2013

Test Location 2 Forensic Science

Test Time 16:43

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

End Date 05 Sep 2013

End Time 16:51

Data Type DIAG

Data Type BLK

Data Type CHK

Data Type BLK

Data Type SUBJ

Data Type BLK

Data Type SUBJ

Data Type BLK

Standard Type Dry Gas Std

Standard Lot Number AG206601-04

Tank Pressure 208

Blow Sample Number 1

Blow Duration 3.33 sec

Blow Sample Number 2

Blow Duration 3.68 sec

Tamper Evident Stamp 6268568f

Test Status Success

Operator's First Name DONALD

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Driver's License Expiration 00/00/0000

Court Name DFS

Result Time 16:49

Sample Value Pass

Sample Value 0.000

Sample Value 0.099

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

License Number 21250

Operator's Middle Initial B

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Sex Male

Result Date 05 Sep 2013

Result 0.00

Sample Time 16:43

Sample Time 16:44

Sample Time 16:45

Sample Time 16:46

Sample Time 16:47

Sample Time 16:48

Sample Time 16:49

Sample Time 16:50

Standard Value 0.099

Standard Expiration Date 03/06/2014

Barometric Pressure 750 mmHg

Blow Volume 1786 cc

End-of-Blow Time 16:47

Blow Volume 1950 cc

End-of-Blow Time 16:49

Test Status Code 0